

ASOS MAINTENANCE NOTE 19 (for Electronics Technicians)

Engineering Division

W/OSO321:AJW

Setting up the Panasonic KX-P3123 Impact Dot Matrix Printers

GENERAL

This maintenance note provides instructions to correctly install a new dot matrix printer to prevent a garbling problem caused by incorrect settings on the Automated Surface Observing System (ASOS) dot matrix printers. The new model of dot matrix printer used with ASOS can be a Panasonic model KX-P3123 (existing models of Panasonic model KS-P1180 or model KX-P2180 are still in use).

KX-P3123 PROCEDURE

When the KX-P3123 is used, ensure that it is properly configured on the ACU serial communications page. (There should be no changes required). Follow the steps below to configure the communications page.

1. LOGON to ASOS as a TEC or SYS on the OID.
2. Select REVUE, SITE, CONFIG, COMMS page.
3. Move the cursor to the printer port, press the CHANGE key, move cursor to HANDSHAKE, press the SEQN key until XON/XOFF protocol appears.
4. Press EXIT to return to the one-minute screen.

Printer parameters on this page should be set as follows:

BAUD RATE:	2400
PARITY SELECT:	NONE
BITS/CHAR:	8
STOP BITS:	1
HANDSHAKE:	XON/XOFF

After specifying the ACU serial communications parameters, the printer must be manually set up using the front panel controls and indicators. Use the procedure below to set up the printer.

1. Print out current printer settings by following page 58 of the Operating Instructions included with printer.
2. Verify the following.
 - a. Interface set to serial Interface.
 - b. What Baud rate is set.
 - c. What character length is set.
3. If the interface is set to parallel, change to serial interface by following steps on pages 56 to 60 of the Operating Instructions.
4. If a 2400 Baud rate is not set, change to 2400 Baud rate by following steps on pages 56 to 60 of the Operating Instructions.
5. If 8 bit character data length is not set, change to 8 bit data length by following steps on pages 56 to 60 of the Operating Instructions.

This completes the setup for the KX-P3123 printer.

EFFECT ON OTHER INSTRUCTIONS

None.

Original Signed

Acting Chief, Engineering Division

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